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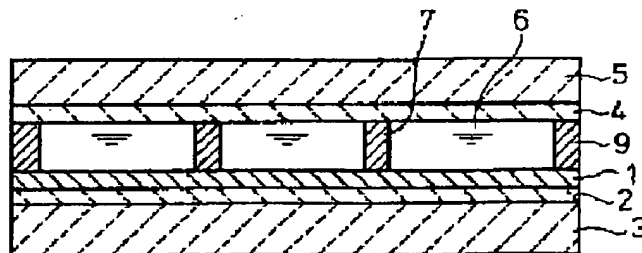
APPLICATION DATE : 28-12-92
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APPLICANT : TONEN CORP;

INVENTOR : SAKURADA SATOSHI;

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TITLE : ELECTROCHROMIC ELEMENT



ABSTRACT : PURPOSE: To obtain a large element, to prevent irregular coloring due to uneven density of an electrolyte soln., to prevent changes of thickness in the lower part and fracture or leaking of liquid in a sealed part due to concentration of weight of the soln. by forming partitions in the electrolyte layer to regulate movement of the electrolyte in the electrolyte layer.

CONSTITUTION: An electrolyte liquid 6 is sealed between transparent substrates 3, 5 and the electrolyte layer is provided with partitions 7. These partitions 7 prevent such problems that concentration of the liquid to the bottom side due to gravity causes fracture in a sealing part, leaking of liquid, or irregular density or thickness of the electrolyte liquid 6. When the electrochromic element is used in a vertical position, it is preferable to arrange partitions in the transverse direction. These partitions 7 are formed, for example, by depositing an adhesive on the substrate in the electrochromic electrode side 1 by screen printing, then laminating the substrate of the counter electrode, and heating or irradiating with UV rays to cure the adhesive.

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